

Amendments In The Specification

☛ Page 6, please **replace** the first full paragraph (of text) with:

-- The next step is a SECOND FIR FILTER (9). This accepts a fourth array of consecutive $\Delta\omega(t)$ values from step (8) and smooths it to become a fifth array of consecutive values that represent the FM modulation profile. An example of what such data is like is shown in the graph 15 of Figure 3A. The filtered result is not necessarily perfect, a typical graph 16 of which is shown in Figure 3B; location 17 is a minor imperfection that arises from nature of the binary sampling technique, and might be ameliorated by sampling at a higher rate or by more stringent filtering. Note also that the SECOND FIR FILTER needs some time to settle (i.e., note that the extreme left-hand edge of the graph is misshapen). This is a principle reason why the CAPTURE step (2) ought to acquire three to five cycles of the SSC signal. It will be appreciated that the recovery of different modulation profiles for the SSC signal might benefit from corresponding adjustments to, or changes to the nature of, the SECOND FIR FILTER. --